

Serial No. 10/062,099
In Reply to Office Action mailed May 25, 2006
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Amendments to the Specification

Replace page 1, lines 6-9

U.S. Patent Application Ser. No. 10/054,343, entitled "Integrated Decision Support System for Optimizing the Training and Transition of Airline Pilots", with filing date of November 13, 2001, and assigned to the assignee of the present invention.

Replace page 21, lines 21-34

The related U.S. Patent Application No. 10/054,343, filing date of November 13, 2001, and assigned to the assignee of the present invention, discloses a method and system for generating multiple alternative pilot training and transition plans in less than one hour. The current invention is an improvement over that of the above Application in that the MIP Model comprising the objective function of equation (5) above with constraints including the constraints of equations (6) - (13) may be solved in less than one hour to provide for the recall of furloughed pilots, and for a limitation of the percentage of pilots whose start bid periods for training assignments may deviate from a bid period of a pre-existing pilot training and transition plan during the process of generating new plans in response to change events. The rapid solution in less than one hour is accomplished by integrating into the optimizer engine 8 of Figure 1 commercially available software development kits and runtime libraries such as ILOG Concert Technology 1.0 and ILOG CPLEX 7.0 sold by ILOG, Inc. of Paris, France. Multiple alternative solutions which are realistic and feasible, and optimized to be cost effective, are thereby provided.